

CHOLAVIN, G.I. [Cholavin, H.I.], traktorist, deputat Verkhovnogo soveta  
~~UkrSSR~~

Let new beacons light! Mekh. sil'. hosp. 14 no.4:4-5 Ap '63.  
(MIRA 16:10)

1. Kolkhoz "Ukraina" Sokol'skogo rayona L'vovskoy obl.

CHOLEVA, B.

On the nematode fauna of some plants in Bulgaria. Izv biol med BAN  
3 no.3:151-159 '59.  
(BULGARIA--MENATQDA) (EEAI 10:4)

CHOLEVA, B., biolog

Nematoda, dangerous enemies of plants. Priroda Bulg 10 no.6:67-72  
'61.

1. M-vo na zemedelieto.

Choleva, J.

Requirements concerning the quality of sheet metal used for the  
production of steam boilers and pressure vessels. p. 263.  
HUTNIK. (Ministerstvo hutniho prumyslu a rudnych dolu) Praha.  
Vol. 4, no. 9, Sept. 1954.

Source: EEAL    LC    Vol. 5, No. 10    Oct. 1956

CHOLEVA, J.

Improved method of heat treatment for RENA pipes in the Klement Gottwald  
Ironworks in Vitkovice. p. 156.  
(HUTNIK, vol. 5, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

CHOLEVA, J.

Rolling mills for sheet metal in the Klement Gottwald Ironworks  
in Vitkovice fight for the elimination of defective products. p.312  
ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava  
elektraren) Praha. Vol. 5, no. 5, May 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress,  
Vol. 4, no. 12, December 1955

CHOLEVA, J.; NYSLIVEC, T.

Problem on heterogeneity and two-strata boiler and construction sheets. p. 263.

Vol. 5, no. 9, Sept. 1955

HUTNIK

Praha, Czechoslovakia

Source: East European Accession List. Library of Congress  
Vol. 5, No. 8, August 1956

CHOLEVA, J.

The chemical and structural nonhomogeneity of thick rimmed steel plates.

p. 298 (HUTNIK) Vol. 7, no. 9, Sept. 1957,  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958



CHOLEVA, J.

TECHNOLOGY

Periodicals: HUTNIK Vol. 9, No. 1, Jan 1959

CHOLEVA, J.: ZIDEK, M. Effect of temperature on properties of thick plates after rolling and normalizing. p. 7.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 5 May 1959, Unclass.

PJTERA, Aleksander; HRYNIEWIECKI, Tadeusz; CHOLEWA, Jan

2 cases of primary pulmonary hypertension. Pol. tyg. lek.  
20 no.39:1465-1467 27 S '65.

1. Z I Kliniki Chorob Wewnętrznych AM w Lublinie (Kierownik:  
prof. dr. med. Mieczysław Kedra) z Katedry Kardiologii  
Studium Doskonalenia Lekarzy AM w Warszawie (Kierownik: prof.  
dr. med. Edward Zera) i z Zakładu Anatomii Patologicznej AM  
w Lublinie (Kierownik: doc. dr. med. Marian Rozynek).

CHOLEWA, E.

DECEASED

POLAND / Physical Chemistry. Surface Phenomena. B  
Adsorption. Chromatography. Ion Exchange.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 63944

Author : Cholewa Edward

Inst : Not given

Title : The Influence of the Rate of Eluent Flow During  
Chromatographic Analysis of Cations on Paper.

Orig Pub: Roczn. chem., 1957, 31, No 2, 727-728

Abstract: It is shown that during paper chromatography with the use of a complex eluent, a partial division of the latter into components results, in view of which its flow can decrease the magnitude of  $R_f$  during an increase of its rate. Investigations were conducted with  $\text{Co}^{2+}$ ,  $\text{Cr}^{3+}$ ,  $\text{Mn}^{2+}$ ,  $\text{Cu}^{2+}$ , with the application of a mixture of acetone, water and HCl in the role of the eluent.

Card 1/1

DECEASED

CHOLEWA, Edward; ROKOSZ, Andrzej

An accidental error in determining the paper chromatography of  
cations. Chem anal 4 no.5/6:795-802 '59. (EEAI 9:9)

1. Katedra Chemii Nieorganicznej Uniwersytetu Jagiellonskiego,  
Krakow  
(Chromatography) (Cations)

CHOLEWA, Edward (1908-1962); Obituary. Wiad chem 17no. 7: 391-394 JL '63.

CHOLEWA, E.

The management of leather in the footwear industry. p.127  
(PRZEGLAD SKORZANY, Vol. 12, No. 5, May 1957, Lodz, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

CHOLEWA, L.

Dependability of blood count based on variations of the leukocyte count. Polski tygod.lek. 5 no.2:41-49 9 Ja '50. (GLML 19:2)

1. Of the First Clinic for the Internal Diseases, Jagiellonski University, Krakow (Head -- Prof. Leon Tochowicz, M.D.).

(Article 1822)

Chorob Wewnetrznych A.M. w Krakowie. Zaburzenia czynnosci ukkladu nerwowego w przebiegu niedokrwistosci zkosliwej Disturbances of the nervous system in the course of pernicious anaemia Polsk. Tyg. Lek. 1951 6/42 (1369-1374)

Of 24 patients with pernicious aneamia treated during the last 3 years nervous disturbances were observed in 10 cases, cerebral one in 6 cases and those of spinal origin in 4 cases with very severe spinal changes a good effect unexpectedly followed the administration of large doses of vit. B 12.

Authors

Source: EXCERPTA MEDICA Vol. 5 No. 5 Section VIII May 1952

CHOLEWA, Leon, Krakow

Rice diet in the therapy of hypertension, 4 years of experience.  
Przegl. lek. Krakow 10 no.12a:382-385 Dec 54.

1. 2 I kliniki chor. wewn. A.M. - kierownik prof. dr. L.Tochowicz  
(HYPERTENSION, therapy  
rice diet)  
(DIETS,  
rice diet ther. of hypertension)  
(RICE  
diet in ther. of hypertension)



TOCHOWICZ, Leon; CHOLEWA, Leon

Collagen disease; observations on its clinical significance.  
Polskie arch.med.wewn. 25 no.2:311-328 '55.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie. Kierownik:  
prof. dr med. L. Tochowicz I Klinika Chorob Wewnętrznych A.M.  
Krakow, ul. Kopernika 17.  
(COLLAGEN DISEASES,  
clin. aspects)

KROL, Wladyslaw; CHOLEWA, Leon

Water heart test in hypertension. Polskie arch. med. wewn.  
26 no.4:561-570 1956.

1. Z I Klin. Chor. Wewn. AM w Krakowie, Kier. prof. dr. med.  
L. Tochowicz, I Klin. Chorob. Wewn. AM w Krakowie, ul. Kopernika  
17.

(HYPERTENSION, physiology,  
water intake-excretion ratio in moderate exercise (Pol))  
(CARDIOVASCULAR SYSTEM, function test,  
water intake-excretion ratio in moderate exercise  
in hypertension (Pol))

EXCERPTA MEDICA Sec 5 Vol. 11/8 Gen. Pathology Aug 58

1882. INFLUENCE OF THE SERUM OF CANCER PATIENTS ON THE DEVELOPMENT OF CHICKEN EMBRYOS - Wplyw surowicy chorych na raka na rozwój kurzych zarodków - Cholewa L. I. Klin. Chor. Wewn. A. M., Kraków - POL. TYG. LEK. 1957, 12/24 (929-932) Tables 1

A total of 195 fertilized chicken eggs were used for these experiments. After 3-4 day maintenance of the eggs in the incubator, 0.5 ml. of human serum from persons with neoplastic diseases (acute myeloid leukaemia, chronic lymphoid leukaemia, carcinoma of the stomach, ovary and lung) were introduced into 82 eggs; 0.5 ml. of serum from persons with other diseases (hypertension, myocardial lesions) were introduced into 35 eggs, and 0.5 ml. of saline solution were introduced into 36 eggs; 42 eggs were left intact. Among the 153 eggs treated the number of hatched chickens amounted to 31 (15.8%), among the eggs left intact there were 11 chickens (26.2%). The low percentage of chickens hatched in both groups is attributed to the fact that the experiments were performed in June, i.e., in the period when the biological and reproductive potentiality of the species is reduced. The experiments showed no specific effect of cancer sera. Though this group included 7 chickens (8.5%), i.e., less than the group of intact eggs (26.3%), its number of chickens exceeded that of the group with serum from cancer-free persons or with saline solution. This fact points to the deleterious effect of human protein on embryo development.

Albert - Wrocław (V, 16)

*CHOLEWA, Leon*

CHOLEWA, Leon (Krakow, ul. Kopernika 17 I Klinika Chorob Wewnetrznych A. M.)

Incidence of stenosis of the isthmus of the aorta. Polski tygod. lek.  
12 no.49:1885-1888 9 Dec 57.

1. (Z I Kliniki Chorob Wewnetrznych A. M. w Krakowie; kierownik: prof.  
dr Leon Tochowicz)

(COARCTATION OF AORTA, statist.  
of isthmus (Pol))

CHOLEWA, Leon

~~Value of the concept of collagen diseases to research & clinical ob-~~  
servations. Polskie arch. med. wewn. 28 no.6:931-936 1958.

1. Z I Kliniki Chorob Wewnętrznych A. M. w Krakowie. Kierownik: prof. dr  
med. Leon Tochowicz. Adres autora: Krakow, Kopernika 17, Klinika Chorob  
Wewn. A. M.

(COLLAGEN DISEASES

value of concept to research & clin. practice (Pol))

CHOLEWA, Leon; PASYK, Stanislaw

Value of Lassus' test in the diagnosis of pancreatic diseases.  
Polski tygod. lek. 16 no.39:1492-1493 25 S '61.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik:  
prof. dr Leon Tochowiec.

(PANCREAS dis) (SULFATES)

CHOLEWA, L.

POLAND

CHOLEWA, Leon and GORSKI, Ludwik, First Clinic of Internal Diseases (I Klinika Chorob Wewnętrznych), AM [Akademia Medycyna, Medical Academy] in Krakow (Director: Prof. Dr. Leon TOCHOWICZ)

"Delayed Excretion of Sodium Fluoresceinate in Patients with Malignant Tumors."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 48, 26 Nov 62, pp 1839-1862.

Abstract: [Authors' English summary modified] Details are given of a study of fluoresceine excretion, and the results discussed with respect to its significance to the diagnosis and study of malignant tumors, as well as the effects of various treatments. Of the nine references, one is Polish, four German, and four English.

1/1

CHOLEWA, Leon; KONTUREK, Stanislaw

Tetracycline fluorescence in the diagnosis of malignant neoplasms.  
Pol. tyg. lek. 17 no.49:1897-1900 3 D '62.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie; kierownik: prof. dr  
Leon Tochowiec.

(NEOPLASMS)

(TETRACYCLINE)

(FLUORESCENCE)



CHOLEWA, Leon; NOSEK, Henryk

Anemia in cancer of the stomach. Nowotwory 12 no.4:269-279 '62.

1. Z Instytutu Onkologii Oddział w Krakowie Dyrektor: doc. dr med.  
H. Kolodziejska i z I Kliniki Chorob Wewnętrznych AM w Krakowie  
Kierownik: prof. dr med. L. Tochowicz.  
(STOMACH NEOPLASMS) (ANEMIA)

CHOLEWA, Leon; GORSKI, Ludwik

Delayed sodium fluoresceinate excretion in patients with malignant tumors. Pol. tyg. lek. 17 no.48:1859-1862 26 0 '62.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie; kierownik: prof.  
dr Leon Tochowiec.  
(FLUORESCEINS) (NEOPLASMS)

CHOLEWA, Leon; KOBIELA, Jan; KOCEMBA, Jozef; LANKOSZ, Jan

Advanced hemolytic anemia with atypical agglutination. Pol.  
tyg. lek. 19 no.3:107-109 20 Ja'64

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie (kierownik:  
prof.dr. Leon Tochowicz) i z Zakładu Medycyny Sadowej AM w  
Krakowie (kierownik: doc.dr. Jan Kobiela).

\*

KONTUREK, Stanislaw; CHOLENA, Leon; OLEKSY, Wlodzimierz

Tetracycline test in gastric carcinoma. Nowotwory 15 no.1:  
17-22 Ja-Mr'65.

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w  
Krakowie (Kierownik: prof. dr. med. L. Tochowicz) i z  
Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med.  
H. Kolodziejska).

CHOLEWA, M.

CHOLEWA, M. Great forest of Labow.  
p. 11, No. 12, Dec. 1956  
Warszawa, Poland  
Turysta

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4—April 1957

CHOLFWA, R.

Private building industry on state farms.

P. 13, (Budowietwo Weiskie, Vol. 9, no. 10, Oct. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. vcl. 7, no. 2,  
February 1958

CHOLEWA ST.

Wybrane zagadnienia metodyczne do nauczania górnictwa (Chosen methodical problems for teaching mining) by St. Cholewa. Reported in New Books (Nowe Książki.) March 1, 1956.

CHOLESTERYL CESTERK

1. "Optimization of the Global Artificial Radioreactivity Data in the Bases of Slaughter Animals in 1939 and 1969" MARTIN ZIMSK of the Chair for Hygiene of Animal Products (Landscape Hygiene) Producer's Enterprise of the Faculty of Veterinary Sciences at SOU in Warsaw (Director: Prof. Dr. Jan KWIAT) pp 215-215 (English summary).
2. "The Polish Portable Telescope "M. T" for Field Work." WOLFF ARTHUR pp 216.
3. "Selected Problems of Diseases of Calves." MARTIN KILICKI pp 216-219.
4. "A Case of Parturient Paralysis in a Cow in the Eighth Month of Pregnancy." Jan KWIATOWSKI pp 219-220.
5. "Two Cases of Colic's gangrenous form." "Antoni CIOŁYWA HUCIWIŁ of the PUL (Pentecost) Animal Hospital-Central Veterinary, State Animal Hospital" at Mława; pp 220.
6. "Parasitogenic Grit in a Dog." Pyrard ANDRZA and Stanisław KICHAŁKI of the Chair of Surgery, Landscape Hygiene of the Faculty of Veterinary Science at the Higher School of Agriculture (VSR) at Wrocław (Director: Decent Dr. Pyrard ANDRZA) and of the Chair of Physiological Anatomy (Landscape Animal's Veterinary) of the Faculty of Veterinary Science at the VSR at Wrocław (Director: Prof. Dr. Aleksander KAWCZYŃSKI) pp 221-222.
7. "Translocation in Food." Parasitologia OLBIENIOWA pp 222-227.
8. "Rhythm of Penicillin on the Sexual Cycle of Female Rabbits." O. GEMPERT, I. ALKASZCZYNSKA, Z. OLBIENI, K. KOTLIK, J. KUBIŚCZYK, J. KOCIOŁA, W. OLBIENI, J. OLBIENI, I. KUBIŚCZYK, H. SZYMAŃSKI, Z. WILKOSI, and J. WIERUSKI, students of the Faculty of Veterinary Medicine and members of the Scientific Club of Students-Workers of the Chair of Obstetrics and Gynecology, University of the Wrocław (Director: Prof. Dr. A. SZYB) pp 227-229.
9. "Attempts to Feed Puppies with Amniotized." POLAKOWA HELENA pp 229-231.



CHOLEWICKA-GOZDZIK, Krystyna

The modern home interior an economic necessity. Przem drzew 12 no.12:  
14-16 '61.

(Furniture)

LEWICKI, Bohdan, doc. dr.; CHOLEWICKI, Andrzej, mgr inż.

Rain chamber tests of tightness of joints in large-panel walls.  
Inst tech bud biul inf no.17:52-57 '64.

1. Department of Concrete and Ferroconcrete Structures and of  
Industrial Building of the Institute of Civil Engineering, Warsaw.

CHOLEWICKI, T.

Matrices of symmetrical components, p. 231. (ARCHIWUM ELEKTROTECHNIKI, Warszawa, Vol. 3, no. 2, 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jan. 1955, Uncl.

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CHOLEWICKI, TADEUSZ

"Matrix analysis of linear circuits"

p. 281 (Panstwowe Wydawn. Naukowe, 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

CHOLEWICKI, Tadeusz, prof.

"Introduction to the theory of electric engineering" by  
K. Kipfmüller. Reviewed by Tadeusz Cholewicki. Przegl  
elektrotechn 39 no.4:165-167 Ap '63.

CHOLEWICKI, Tadeusz, prof.

Rationalization of physical quantities or their units. Przegl  
elektrotechn 39 no.11:419-423 N '63.

CHOLEWICKI, Tadeusz, prof.

Letter symbols for time varying quantities and the complex  
representation of quantities. Przegl elektrotechn 39  
no.12:475-477 D'63.



CHOLEWICKI, T.

A new method of calculating currents and voltages in a long transmission line. Archiw elektrotech 13 no.2:339-351 '64.

1. Department of Electrical Engineering, Technical University, Warsaw. Submitted February 20, 1963.

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DECLASSIFICATION OF THE SECRETARY'S OFFICE

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509010006-0"

ACCESSION NR: AP5018364

the conditions assumed, the square matrix  $A$  is a singular

CHOLEWINSKA, B.

"Using turf and soil in pots for the early production of vegetables." (p. 30).  
NOWE ROLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Vol 3, No 2,  
Feb. 1954.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

CHOLEWINSKA, B.

CHOLEWINSKA, B. Pomidory. Wyd. 2. popr. i uzup. Warszawa, Panstwowe  
Wydawn. Rolnicze i Lesne, 1955. 213 p. (Tomatoes. 2d enl. and rev. ed.)  
DA Not in DLC

AGRICULTURE  
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

CHOLEWINSKA, Bronisława

Yield fluctuations of vegetable crops. *Biul warzyw* 7:5-29 '63.

1. Department of Vegetables, Institute of Cultivation,  
Fertilization, and Soil Science, Pulawy.

CHOLEWINSKA, Bronislawa; KOSTECKA, Barbara

Analysis of the production costs of greenhouse tomatoes on  
a state vegetable farm during the years 1958/59-1960/61.  
Biul warzyw 7:131-151 '63.

1. Economic Laboratory, Department of Vegetables, Institute  
of Cultivation, Fertilization, and Soil Science, Pulawy.

CHOLEWO, JAN

~~was born in 1900~~

Technology

Mosty Kolejowe. Warszawa, Wydawn. Komunikacyjne, 1958. 746 p. ( Railroad bridges.)

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 3, March 1959  
Unclass.



BAZHANOVA, Ye.V.; CHOLGANSKAYA, V.L., otv.red.; RYCHKOVA, N.P., red.  
izd-va; SMIRNOVA, A.V., tekhn.red.

[Labor productivity and production costs in U.S.S.R. agriculture after the Great Patriotic War; bibliography of books and magazine articles for 1945-1957] Problemy proizvoditel'-nosti truda i sebestoimosti produktsii v sel'skom khoziaistve SSSR posle Velikoi Otechestvennoi voiny; bibliograficheskii ukazatel' knig i zhurnal'nykh statei za 1945-1957 gg. Sost. E.V.Bazhanova. Moskva, Izd-vo Akad.nauk SSSR, 1959. 160 p.

(MIRA 12:11)

1. Akademiya nauk SSSR. Fundamental'naya biblioteka obshchestvennykh nauk. (Agriculture--Labor productivity--Bibliography)  
(Bibliography--Agriculture--Labor productivity)(Agriculture--Costs--Bibliography)  
(Bibliography--Agriculture--Costs)

GHOLIK, V.I.

Operation of the DdS fidduser in a Polish sugar factory (from "Gazeta  
cukrownicza," no.7, 1960). Sakh. prom.2:72-74 F '61. (MIRA 14:3)  
(Poland--Sugar machinery)

CHOLINSKI, S.

"Investigation Made by the Institute of Construction Technique in the Field of Building Apartment Houses." P. 220. (PRZEGLAD BUDOWLANY, Vol. 26, No. 7, July 1954, Warszawa, Poland)

SO; Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

CHOLINSKI, S.

Partitions of gypsum plates, p. 41. (MATERIALY BUDOWLANE, Warszawa, Vol. 10, no. 2, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

CHOLINSKI, S.

CHOLINSKI, S. Bricks, blocks, hollow bricks, and slabs from local materials.  
p. 431

Vol. 13, no. 11, Nov. 1956  
INZYNIERIA I BUDOWNICTWO  
POLITICAL SCIENCE  
Warsqawa, Poland

So: East European Accession Vol. 4, No. 3, March 1957

CHOLINSKI, STANISLAW

Budynki z tworzyw cementowoglintanych. (Wyd. 1)

Warszawa, Poland. Arkady. 1958. 84 p.

Monthly List of East European Accessions (EEAI) 18, Vol. 8, no. 8  
August 1959.

Uncl.

BANY, Bogdan, mgr. inz.; CHOLINSKI, Stanislaw

Clay constructions in the light of the research and experiences  
of the Institute of Construction Technology. Mat bud i ich zastosow  
no.17:1-96 '62.

1. Instytut Techniki Budowlanej, Warszawa.

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CHYTIL, M.; VALEK, A.; VALKOVA, M.; FIALOVA, V.; CHOLINSKY, K.

Effects of upright position on hemodynamics & renal function in glomerulonephritis. Sborn. lek. 60 no.12:361-369 Dec 58.

1. II interni klinika fakulty vseobecneho lekarstvi Karlovy university  
v Praze, prednosta prof. dr. Frantisek Herles.

(GLOMERULONEPHRITIS, physiol.

eff. of upright position on hemodynamics & renal funct. (Cz))

(BLOOD CIRCULATION, in various dis.

glomerulonephritis, eff. of upright position on hemodynamics (Cz))

(POSTURE, eff.

upright position on hemodynamics & renal funct. in glomerulonephritis (Cz))

(KIDNEYS, physiol.

eff. of upright position in glomerulonephritis (Cz))

SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; Laboratorni spoluprace: ZLOCHOVA, A.;  
ZELENKOVA, I.; BAMBASOVA, Z.

Excretion of osmotically active cells in the course of maximum  
water diuresis in man. Cas. lek. cesk. 103 no.46:1265-1270  
13 N '64.

1. Vyzkumny ustav experimentalni terapie v Praze, (reditel prof.  
dr. O. Smahel, DrSc.) a Interni katedra Ustavu pro doskolovani  
lekaru v Praze (vedouci prof. dr. O. Smahel, DrSc.).

SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; STRIBRNA, J.

The effect of aminophylline on the renal elimination of water  
and of osmotically active substances during water diuresis.  
Cas. lek. cesk. 104 no.30:805-808 23 J1 '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra  
Ustavu pro doskolovani lekaru v Praze (reditel prof. dr.  
O. Smahel, DrSc.).

STRIBRNA, J.; SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; ROSOL, Z.

The effect of polythiazide on the renal elimination of water and on osmotically active substances during water diuresis.  
Cas. lek. cesk. 104 no.30:809-812 23 J1 '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra  
Ustavu pro doskolovani lekaru v Praze (reditel prof. dr.  
O. Smahel, DrSc.) a Ustav klinicke fyziologie lekarske  
fakulty hygienicke Karlovy University v Praze (reditel  
prof. dr. J. Skladal).

L 15701-66 ENT(1)/T JK/JXI(cz)  
ACC NR: AP6003476

SOURCE CODE: UR/0242/65/000/008/0066/0067

AUTHOR: Mevzos, M. P.; Baramykova, L. A.; Bgasheva, V. S.; Mevzos, L. M.; Cholok-hov, V. D.

ORG: Tashkent Oblast sanepidstantsiya (Tashkentskaya oblastnaya sanepidstantsiya)

TITLE: Pappataci fever in Tashkent Oblast

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 8, 1965, 66-67

TOPIC TAGS: epidemiology, disease incidence, virus disease, clinical medicine

ABSTRACT: An outbreak of pappataci fever which occurred in Begovat, Tashkent Oblast in the summer of 1963 is described. The last known outbreak in this area had occurred in 1946. At first the disease was diagnosed as influenza because of the similarity of symptoms. However, some of the patients had scars from mosquito bites and did not exhibit any upper respiratory symptoms, lung inflammations or enlargement of spleen or liver. Epidemiologically, the disease was not confined to any particular age group, did not run in families or other groups nor could it be connected with agricultural work or with swimming in open waters. The presence of pap-

Card 1/2

L 15791-66

ACC NR: AP6003476

pataci flies in this area suggested the possibility of pappataci fever, a suspicion later confirmed by virological studies. The source of the infection is thought to be the numerous animal burrows found in the surrounding uncultivated land. To prevent future outbreaks it is suggested that the responsible republic institutes devote their efforts to the elucidation of the natural sources of infection and to the study of diagnostic techniques for careful differentiation of pappataci fever from influenza and other similar diseases.

SUB CODE: 06/

SUBM DATE: 28May64/

ORIG REF: 000/

OTH REF: 000

Card 2/2

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
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<p><i>Cooperthia</i>, L. <i>Coccolony</i>. <i>Magyar Chem. Folyóirat</i> 36, 11-6, 17-25 (1930).</p> <p>The ground pericarp (3 kg.) is percolated with light petroleum (2 l.), the ext. dild. with 1 l. of <math>H_2O</math>, and left overnight in contact with 80% <math>MeOH-KOH</math> (200 cc.). The crystals which sep. are dissolved in 2 l. of <math>H_2O</math>, the soln. being repeatedly washed with water and dried with <math>Na_2SO_4</math>. After evapn. to 500 cc., 1.5 l. of light petroleum is added, the yield of coloring matter pptd. being 3.9 g. The product is recrystallized from <math>MeOH</math>. B. C. A</p>																																																			
<p>ASB.5.1.1 METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

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<p>Chemical examination of the red pigments of some autumn fruits. L. A. ZACHAROVICH AND L. A. ZACHAROVICH. <i>Matematika i Termodinamika</i> 47, 203-17 (German abstract 218)(1930). <i>Tr. C. A. 24, 3023, 4881</i>. Sixty kg. of <i>Lycium halimifolium</i> gave 17 g. of a cryst. pigment, the compn. of which was found to be <math>C_{11}H_{14}O_4</math>; it is identical with the physalene of Kuhn and Wiegand. No secondary pigments were found. Fruits of <i>Tamus communis</i> contained lycopen, also fruits of <i>Solanum dulcamara</i>. Arillus of <i>Eronimus europaeus</i> contained a xanthophyll-like pigment of the compn. <math>C_{40}H_{56}O_4</math>. Examn. of other fruits, e. g., <i>Astrum maculatum</i> and <i>Sorbus aucuparia</i> is in progress.</p>																																																			
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17

*ca*

**Lycopin.** L. CROTONACEAE. *Macar Gygismeritand. Terasdg Esteridje 7, 95-107*  
 (1931).—Lycopin was extd. from *Tamus communis* and *Solanum dulcamara*. The  
 crude product was purified by recrystn. from CS<sub>2</sub>-petroleum ether. Combustion of  
 this product gave 80.23-80.43% C and 10.63-10.84% H (theoretical compn. of C<sub>40</sub>H<sub>56</sub>  
 80.48% C and 10.52% H). The mol. wt. detd. ebullioscopically in CHCl<sub>3</sub> was 520, 564  
 and 565 (theoretical, 536); that detd. cryoscopically in CHBr<sub>3</sub> 649, agreeing with  
 Montanari's result obtained in benzene (cf. *Lezioni sperimentali agrarie italiane*  
 37, 900 (1904)). *Tamus lycopin* m. 170°. *Solanum lycopin* m. 174°. No secondary  
 pigments could be found. The data in the botanical literature should be corrected.  
 since the above plants contain lycopin only. S. S. DE FINLEY

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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<p><i>11E</i></p> <p>The petal pigment of <i>Calceolaria oregonensis</i>, László Zechmeister, and László Cholnoky. <i>Monatsh. Chem. Phys.</i> 40:181-8 (1909).—Extn. of the petals with alc. and sapon. of the ext. with MeOH-KOH gave xanthophylls, carotene and lycopene; the last was found for the first time in non-fruit material. Carotene has spectrum lines at 530-12 and 495-6 mμ, [α]<sub>D</sub><sup>20</sup> (benzene) 20°. Lycopene has spectrum lines at 564-38, 516-497 and 482-67 mμ. The xanthophyll showed lines at 510-493 and 481-93 mμ; its ether soln. when underlayered with a 25% HCl soln. gave a beautiful dark blue color. S. S. de Finály</p>																																																																																																																							
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1. The first group of variables, *demographics*, includes age, sex, and marital status. The second group, *education*, includes years of schooling, high school graduation, and college graduation. The third group, *employment*, includes employment status, occupation, and industry. The fourth group, *income*, includes household income and personal income. The fifth group, *health*, includes self-rated health, physical health, and mental health. The sixth group, *social*, includes social network, social support, and social participation. The seventh group, *psychological*, includes life satisfaction, psychological well-being, and psychological distress. The eighth group, *behavioral*, includes smoking, drinking, and exercise. The ninth group, *environmental*, includes neighborhood safety, neighborhood quality, and neighborhood resources. The tenth group, *policy*, includes government policies, community policies, and workplace policies. The eleventh group, *research*, includes research methods, research findings, and research conclusions. The twelfth group, *conclusion*, includes the overall conclusion and the implications for future research.

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<div style="display: flex; justify-content: space-between;"> <span>4</span> <span>12</span> </div> <p style="text-align: center;">PROCESSES AND PROPERTIES INDEX</p> <p>Colorimetric determination of the coloring matter of paprika. László Cholnoky. <i>Magyar Chem. Folyóirat</i> 39, 82-6(1933).—Carotene can be sepd. from other coloring matter by the method of Willstätter-Kraus-Sorby. Also polyene alcohols, capsanthin, lutein and zeaxanthin can be sepd. and detd. on basis of the adsorption theory of Kuhn by using a 0.1% alc. soln. of azobenzene as standard. The pericarp of Hungarian paprika contained 1.1 g. capsanthin, 0.85 g. xanthophyll and 0.50 g. carotene per kg. S. S. de Fényi.</p>																																																																																																																																																												
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*CA*

*11D*

Application of fractionated adsorption to the separation  
of natural organic compounds. László Cholnoky. *Mag-  
yar Chem. Folyirat* 59, 138-44(1935).—The importance  
of the chromatography of Tswett and its reliability are  
emphasized and many numerical data are published on the  
adsorption behavior of plant coloring materials.  
S. S. de Finály

ASB-ELA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS															3RD AND 4TH ORDERS														
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<div style="position: relative;"> <div style="position: absolute; top: 10px; left: 10px; font-size: 2em;">12</div> <div style="position: absolute; top: 10px; right: 10px; font-size: 2em;">12</div> <div style="position: absolute; top: 10px; left: 10px; width: 100px; height: 50px; border: 1px solid black; border-radius: 50%;"></div> </div> <p>The pigments of Hungarian paprika and their vitamin A effects. László Cholnoky, <i>Kisbélügyi Közlemények</i> 40, 173-80 (1937).—Ktpe red paprika contains the pigments capsanthin, capsoverbin, zeaxanthin, cryptoxanthin and <math>\beta</math>-carotene, with traces of lutein and <math>\alpha</math>-carotene. Capsanthin ranged in 1 kg. perikarp from 3.19 to 3.49 g.; capsoverbin from 0.43 to 0.98 g. Total pigment content varied between 4.07 and 5.49 g. The "capsaicin-free" variety contained 0.79-3.19 g. capsanthin, 0.17-0.62 g. capsoverbin and 1.76-3.30 g. total pigments. Late harvested paprika is a more valuable source of provitamin A. Powd. red paprika seems to be a very rich source of vitamin A, each g. of it contg. 400-1300 I. U. provitamin A. Decrease of pigment content during 1 yr's. storage does not exceed 15%. To sep. and det. the paprika pigments weigh 0.5-1.5 g. powd. paprika in a 50-cc. flask, pour into a funnel closed by a 3-5-mm. layer of cotton and wash the paprika grains remaining within the flask with a few drops of gasoline into the funnel. Ext. with hot gasoline in 10-cc. portions. About 100-150 cc. gasoline is wanted for each extn. Sep. the individual pigments from this soln. by means of Tswett adsorption. A <math>\text{CaCO}_3</math> column serves to adsorb the red pigments (capsoverbin and capsanthin) and a <math>\text{Ca(OH)}_2</math> column located under the <math>\text{CaCO}_3</math> column is used to bind the esters of zeaxanthin and cryptoxanthin, and of carotene. Constituents of the chromatogram can be sep. and quant. extd. by alc. The detn. of the colors is followed in a Leltz colorimeter with an alc. soln. of azobenzene (according to Kubo) as a standard. The method is accurate to within 5% (excepting for capsoverbin, for which the error limit is 10%). S. S. de F.</p>																													
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Carotenoid pigments. I. The pigments of red tomato-shaped paprika (*Capsicum annuum* var. *lycopersiforme* rubrum). L. Cholnoky, K. Györfy, E. Nagy, and M. Pánczél (*Acta chim. hung.*, 1965, 6, 143—171).—Pigments present in the unripe green fruit (A), ripe red fruit (B), and the leaves (C) of freshly picked tomato-shaped paprika have been isolated and identified. Ether extracts were hydrolysed and separated into epiphyasic and hypophasic constituents. These were chromatographed on Ca(OH)<sub>2</sub> from light petroleum and on CaCO<sub>3</sub> from light petroleum/benzene respectively. Pigments were identified by their absorption spectra. Carotenoids definitely identified in A are β-carotene (I), β-carotene-mono-epoxide (VIII) (trace), mutatochromio (II), *neo*-β-carotenes B and U (III), violaxanthin (IV), xanthophyll (VII), luteoxanthin, luteochromio, and antheraxanthin (V) (trace); in B L. zeaxanthin, II, cryptoxanthin, cryptocapsine, III, capsorubin, capsanthin, IV, V, xanthophyll-epoxide, zeaxanthin (VI), and the *cis*-isomers of some of the above; in C the same as A, with α-carotene (IX). It is concluded that the physiological role of carotenoids is the transport of oxygen. The main route is VI → V → VII. The secondary route I → VIII → IX is only effective at high rates of oxygen metabolism. The changes during ripening are discussed. A. B. DENSHAM.

3

...the primary system ...  
...the function of these ...  
...the plant is discharged ...

I. H. P. 229

HUNGARY / Organic Chemistry. Natural Substances and  
Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Author : Cholnoky L., Szabo D., Szabolcs J.

Inst : Not given.

Title : Investigation of Carotinoid Pigments. II. Structure of Capsanthin and Capsorubine.

Orig Pub: Magyar tud. akad. kem tud. oszt. kozl., 1957, 9,  
No 2, 179-194.

Abstract: Better understanding of the chemical structure of capsanthin (I) and of capsorubine (II) was obtained from synthesis of their complex esters (melting point in °C of the corresponding esters of I and II are given): diacetate, 150, 180; dipropionate, 159, 162; dibutyrate, 123, 153; divalerate, 120, 137; dicapronate, 114, 128; dicaprinatate, 109, 108; dimyrisate, 98, 88; dipalmytate, 95, 85; distearate, 92,

Card 1/4

*Univ. Pecs, Hungary*  
70

HUNGARY / Organic Chemistry. Natural Substances and  
Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Abstract: 83, and from the determination of their C and H contents. It was established that the correct empirical formula of I is  $C_{40}H_{56}O_3$  and that of II is  $C_{40}H_{56}O_4$ . In the investigation of free I, it was found that its C and H contents depend on the drying conditions. When the freshly crystallized product was dried at  $120^\circ$ , 0.1 mm Hg. abs, for 1/2 hour, its content of C and H corresponded to that of the  $C_{40}H_{56}O_3$  formula. On the other hand when the drying was conducted at approx.  $20^\circ$ , over  $P_{2O_5}$ , 0.1 mm Hg abs, the content of C and H corresponded

Card 2/4

HUNGARY / Organic Chemistry. Natural Substances and Their Synthetic Analogues. G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Abstract: to that of the previously established formula of  $C_{40}H_{58}O_3$ . Analogical results were obtained in the case of free II. This phenomenon is attributed to the ability of I and II to combine with solvents and with moisture from the air. A new formula for I substantiated by the following experimental data. Its chromofore consists of 10 bound  $C=C$  and one carbonyl group that exists in the conjugated position. In addition to the chromofore, a molecule should contain one isolated  $C=C$  bondage, which should be located on its open end. In the catalytic hydrogenation (on Pt), 1 mole of I takes 11 moles of  $H_2$ . In the oxidation with  $KMnO_4$ , a mixture of 1,1-dimethylsuccinic and dimethylmalonic

Card 3/4

71

HUNGARY / Organic Chemistry. Natural Substances and  
Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57599.

Abstract: acids was obtained, the quantity of which was twice as less than in the case of zeaxanthine, which indicates that I may contain only one quaternary C atom. The new formula for I requires further confirmation. Review of previous investigations pertaining to the structure of I and II has been conducted. For Part I refer to Ref Zhur-Khimiya, 1956, 29153.

Card 4/4

CHOLNOKY, L., and others

SCIENCE

PERIODICALS: ACTA CHIMICA. Vol. 16, No. 2, 1956

Cholnoky L. and others. Investigations of carotenoid pigments. III.  
Pigments of yellow paprika (Capsicum annuum varietas lycopersiciforme flavum).  
In German. p. 227.

Monthly list of East European Accessions (EEA), Lc. Vol. 8, No. 2, 1959  
February 1959, Unclass.

CHOLNICKI, L.

Investigation of carotenoid pigments. V. Pigments of the calyx leaves of  
Physalis alkekengi. p. 455.

KOZLEMENYEL. Magyar Tudományos Akademia. Kemiai Tudományok Osztalya.  
Budapest, Hungary. Vol. 11, no. 4, 1959.

Monthly list of east European Accession (EEAI) LC, Vol. ~~XXXXXXXXXXXX~~  
9, no. 2, Feb. 1960

Uncl.



CHOLNOKY, L., prof.; SZABOLCS, Jozsef

On the structure of paprika dye. Acta chimica Hung 22 no.1:117-119  
'60. (EEAI 9:9)

1. Chemisches Institut der Universitat, Pecs.  
(Paprika) (Dyes and dyeing)

ERDEY-GRUZ, Tibor, akadémikus (Budapest); CHOLNOKY, László; SZABO, Zoltan;  
SZEKER, Gyula, kandidatus; FOLDI, Zoltan; LANGYEL, Sandor, a tudományok  
doktora; TAKACS, Pal, kandidatus

An account of the 1960 work of the Section of Chemical Sciences,  
Hungarian Academy of Sciences. Kem tud kozl MTA 15 no.4:401-460 '61.

1. Osztálytitkar, Magyar Tudományos Akadémia Kémiai Tudományok Osztálya,  
Budapest és Szerkesztő, Magyar Tudományos Akadémia Kémiai Tudományok  
Osztályának Közleményei (for Erdey-Gruz) 2. Lev. tag, Magyar Tudományos  
Akadémia Kémiai Tudományok Osztályának Közleményei (for Chólnoky, Szabo,  
Foldi) 3. Szerkesztőbizottsági tag, Magyar Tudományos Akadémia Kémiai  
Tudományok Osztályának Közleményei (for Lengyel)

(Hungarian Academy of Sciences) (Hungary—Chemistry)

SZADECZKY-KARDOSS, Elemer; ZSEBOK, Zoltan, dr.; RUSZNYAK, Istvan, dr.;  
 ANTALFFY, Gyorgy, dr.; BIHARI, Otto, dr.; CHOLNOKY, Laszlo, dr.;  
 GRUBER, Jozsef, dr.; HAY, Laszlo, dr.; KESZTYUS, Lorand, dr.;  
 MAGYARI, Andras, dr.; ORTUTATY, Gyula, dr.; PERENYI, Imre, dr.;  
 PETRI, Gabor, dr.; POLINSZKY, Karoly, dr.; RAPCSAK, Andras;  
 TORO, Imre, dr.; ZAMBO, Janos, dr.

Peace to the world! An appeal by the Committee on Science of  
 the National Peace Council. Term tud kozl 6 no.6:241 Je  
 '62.

1. Orszagos Beketanacs Tudomanyos Bizottsaganak elinoke (for Szadeczky-Kardoss).
2. Orszagos Beketanacs Tudomanyos Bizottsaganak titkara (for Zsebok).
3. Magyar Tudomanyos Akademia elnoke (for Rusznyak).
4. Szegedi Tudomanyegyetem rektora (for Antalffy).
5. Pecs Tudomanyegyetem allamjogi karanak dekanja (for Bihari).
6. Pecs Orvostudomanyi Egyetem rektora (for Cholnoky).
7. Budapesti Muszaki Egyetem rektora (for Gruber).
8. Marx Karoly Kozgazdasagtudomanyi Egyetem rektora, Budapest (for Hay).
9. Kossuth Lajos Tudomanyegyetem rektora, Debrecen (for Kesztyus).
10. Agrartudomanyi Egyetem rektora (for Magyar).
11. Eotvos Lorand Tudomanyegyetem rektora (for Ortutay).
12. Epitoipari es Kozlekedesi Muszaki Egyetem rektora (for Perenyi).
13. Szegedi Orvostudomanyi Egyetem rektora (for Petri).
14. Veszpremi Vegyipari Egyetem dekanja (for Polinszky).

(To be continued)

CHOLNOKY, Laszlo

"Absorption spectra in the ultraviolet and visible region",  
edited by Dr.L.Lang. Reviewed by Laszlo Cholnoky. Magyar  
lap 17 no.6:262 Je '62.

CHOLNOKY, Laszlo

"Absorption spectra in the ultraviolet and visible region",  
edited by Dr. Laszlo Lang. Reviewed by Laszlo Cholnoky.  
Magy kem lap 19 no. 4:210 Ap '64.

CHOINOKY, Marta, dr.; PONGRACZ, Peter, dr.

Successful reimplantation of a permanent incisor in a  
9-year-old child. Fogorv. szemle 58 no.9:282-284 S '65.

1. Pecs Varosi Rendelointezetenek (igazgato: Kobor, Jozsef, dr.)  
Fogszabalyozasi szakrendeleserol es a Pecs Orvostudomanyi Egyetem  
Stomatologiai Klinikajarol (igazgato: Schranz, Denes, dr., egye-  
temi tanar).

CHOŁODOWSKI, Grzegorz

Experiment in applying objective research methods to kinesthetic talents in piano pedagogy. Problemy 19 no.3:192-194 '63.

1. Wykładowca Szkoły Muzycznej im. Fryderyka Chopina, Warszawa.

CHOLODZINSKA, Elzbieta

Bituminous shales in Poland. Nafta Pol 19 no.5:113-116  
My '63.

1. Instytut Geologiczny, Warszawa.



CHOLOKASHVILI, Ye. S.

Zurabashvili, A. D. and Cholokashvili, Ye. S. "Question of the morphological and functional reversibility of the nerve elements of the cerebral cortex of the cat (Experimental-morphological and electroencephalographic observations)," Trudy In-ta fiziologii im. Beritashvili, Vol. VII, 1948, p. 365-89-- Summary in Georgian -- Bibliog: 20 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

CHOLOKASHVILI, Ye. S.

Morphological interrelationships between the cell body and the  
protoplasmic processes of spinal motoneurons. Trudy Inst.  
fiziol. AN Gruz. SSR 9:155-160 '53. (MIRA 8:9)  
(Nerves)

CHOLOKASHVILI, Ye.S.

~~Quantitative distribution of synapses on cell bodies and on spinal dendritic processes.~~ Trudy Inst. fiziol. AN Gruz. SSR 9:161-169  
'53. (MLRA 8:9)

(Nerves)

CHOLOKASHVILI, Ye.S.

Investigating the interrelationships of capillaries with different  
parts of pyramidal neurons of the cerebral cortex. Trudy Inst.  
fiziol. AN Gruz. SSR 12:147-151 '61. (MIRA 15:2)  
(CEREBRAL CORTEX BLOOD SUPPLY)

I. 22221-66

ACC NR: AT5024235

SOURCE CODE: UR/3167/65/014/000/0169/0172

AUTHOR: Cholokashvili, Ye. S.

ORG: *none*

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B+1

TITLE: Changes in nerve cells of the auditory cortex connected with cortical activity

SOURCE: AN GruzSSR. Institut fiziologii. Trudy, v. 14, 1965. Sovremennyye problemy deyatel'nosti i stroeniya tsentral'noy nervnoy sistemy (Present problems of the activity and structure of the central nervous system), 169-172

TOPIC TAGS: auditory cortex, CNS, cerebral cortex, cortical activity, afferent impulse, direct cortical stimulation

ABSTRACT: To study changes in auditory cortex neurons during cortical activity, cats lightly narcotized with nembutal were subjected to 10—15 sec of tetanic stimulation (30 impulses/sec) of the medial geniculate body, which caused primary-type responses in the auditory cortex. Specimens for histological study were taken at the height of cortical activity. Specimens were prepared by Nissle's method and examined for bioelectric-activity-connected histological changes. Tigroid substance

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was found to be less distinct than in normal cells. A clear boundary between nucleus and cytoplasm was lacking. The "dendrite stimulation" effect (i.e., staining of dendrites to considerable distances from the parent cell) was absent, and the initial sector of the dendrite was hard to discern, apparently because the tigroid substance moves toward the nucleus. The nuclei of almost all cells stained well. Glial nuclei were displaced toward the nerve cell: near the soma of almost every nerve cell, from 1 to 5 or more glial nuclei were visible, some lying directly against the nerve cell. The reported morphological changes in cortical neurons caused by several seconds of stimulation by specific afferent impulses are similar to those caused by direct electrical stimulation of the cortex, but not so clearly pronounced. [DP]

SUB CODE: 06/ SUBM DATE: none/ OTH REF: 008/ SOV REF: 007/  
ATD PRESS:

Card 2/2 nst

CHOLOKAVA, A.O.

Injurious weevils (Curculionidae) on cultivated plants in Kakhetiya.  
Soob. AN Gruz. SSR 29 no.6:715-721 D '62.

(MIRA 18:3)

1. Institut zoologii AN GruzSSR, Tbilisi. Submitted October 8, 1961.

CHOLOKAVA, A.O.

Study of the species of the weevils (Coleoptera, Curculionidae)  
of Mta-Tusheti. Soob. AN Gruz. SSR 31 no.1:155-161 J1 '63.  
(MIRA 17:7)



SOV/68-59-6-9/25

AUTHORS: Kakabadze, V.M. Doctor of Technical Sciences,  
Sikharulidze, N.G., and Cholokava, N.K.

TITLE: On the Problem of Establishing the Activity of a  
Soda-Arsenical Solution for Sulphur Purification (K  
voprosu ustanovleniya aktivnosti poglotitel'nogo  
rastvora mysh'yakovo-sodovoy seroochistki)

PERIODICAL: Koks i Khimiya, 1959 Nr 6, pp 35-38 (USSR)

ABSTRACT: The present method of the determination of the  
conventional activity of soda-arsenical absorption  
solution shows no relationship between the activity  
determined and the degree of purification of gas from  
 $H_2S$  obtained. The cause of this discrepancy is as  
follows: on determining the activity, oxygen containing  
arsenical compounds precipitated by treatment of the  
analysed solution with the magnesia mixture are deducted  
from the residual arsenic. Meanwhile the treatment  
removes compounds of the type  $Na_3HAs_2S_4O_3$  which are the  
most active in the absorption of hydrogen sulphide. The  
activity of the absorption solution can be also evaluated  
by  $\Delta pH$  (difference in pH before and after regeneration  
of the solution). The authors proposed the following

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On the Problem of Establishing the Activity of a Soda-Arsenical Solution for Sulphur Purification

formula for the determination of activity:

$$a = \frac{\Delta pH (As_2O_3)''}{(As_2O_3)'} \cdot 100\%$$

where  $a$  = activity,  $(As_2O_3)'$  = residual arsenic, g/l;  
 $(As_2O_3)''$  = arsenical compounds free from oxygen. g/l.  
 The formula was tested at the Zhelezovskiy Metallurgical Works and validity was confirmed. A linear relationship between the activity and percent desulphurization was obtained (Fig 1). In order to simplify continuous observation of the process of purification of gas an approximate method of determining the activity of absorption solution based on the ratio air/ $As_2O_3$  is proposed (Table 2); the

Card 2/2 optimum value of the latter lies within a range of 0.16 to 0.19. There are 2 figures and 2 tables.

ASSOCIATION: Gruzinskiy politekhnicheskii institut  
 (Georgian Polytechnical Institute)

USSR/Cultivated Plants. Grains.

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Abs Jour : Ref Zhur-Biol., No 15, 1958, 68091

Author : Cholokhyan, D. P., Sogomonyan, S. A.

Inst : ~~Yerevan University.~~

Title : The Effect of Autumn Sowing on Spring Wheats  
(Preliminary Communication).

Orig Pub : Nauchn. tr. Yerevansk. un-t, 1956, 54, ch. 2,  
41-54

Abstract : In the years of 1952-1954, the following spring wheat variants were sown in October and November on the study-test plot of the Yerevan University Department of Genetics and Selection: leukurum, melyanopus, crinatsum, del'fi, and rubritsens. Sowings of the same wheats on 15 March, using seed from ordinary autumnal sowing, served as

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Abs Jour : Ref Zhur-Biol., No 15, 1958, 68091

control. It was determined that the variants gave different reactions to winter sowing; for example, the vitality of the gordeiform plants was increased; morphologically different ears appeared in the leukurum variants; the parenchyma developed more strongly in the stalks of gordeiform, leukurum, and orinatsoum in several variants; the dimensions of the leaves were greater, and they were of a darker color. --  
V. S. Shmal'ko

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